



IFW

Docket No.: 57810-092

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277
Masayuki SHONO, et al. : Confirmation Number: 6450
Serial No.: 10/807,161 : Group Art Unit: 2811
Filed: March 24, 2004 : Examiner: Unknown
For: LIGHT-EMITTING DEVICE AND ILLUMINATOR

INFORMATION DISCLOSURE STATEMENT

Mail Stop IDS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The relevance of the publications "Strongly Directional Emission from AlGaAs/GaAs Light-Emitting Diodes" and "Highly Directive Light Sources using Two-Dimensional Photonic Crystal Slabs" are discussed in the present specification.

10/807,161

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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JUN 29 2004

SHEET 1 OF 1

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number + Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
		JP 07-282609	10/27/1995	TSUZUKI SHOGO	Correspondence to U.S. 5,535,230	w/English Abstract	
		JP 5-1598	1/14/1993	TOYODA GOSEI CO., LTD.		YES	
		JP 62-184585	11/24/1987	TAKIRON CO., LTD.		YES	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS			CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
				"Proposal of 2-D Photonic Crystal Light Emitting Diode with Surface Grating." September 2001, page 791, (in Japanese)
				"Highly Directive Light Sources using Two-dimensional Photonic Crystal Slabs", Applied Physics Letters, December 2001, Vol. 79, No. 26, pp. 4280-4282
				"Strongly Directional Emission from AlGaAs/GaAs Light-Emitting Diodes" Applied Physics Letters, November 1990, Vol. 57, No. 22, pp. 2327-2329

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.